

Method and System for Myocardial Infarct Repair

Abstract of the Disclosure

An implantable system is provided that includes: a cell repopulation
source comprising genetic material, undifferentiated and/or differentiated contractile
cells, or a combination thereof capable of forming new contractile tissue in and/or
near an infarct zone of a patient's myocardium; and an electrical stimulation device
for electrically stimulating the new contractile tissue in and/or near the infarct zone of
the patient's myocardium or otherwise damaged or diseased myocardial tissue.